$1\ c = 10^{-2}$ $1\ k = 10^{3}$ $V = Ah$	$\vec{a} \cdot \vec{b} = a_x b_x + a_y b_y + a_z b_z$ $\vec{a} \times \vec{b} = \hat{\imath}(a_y b_z - a_z b_y) + \hat{\jmath}(a_z b_x - a_x b_z) + \hat{k}(a_x b_y - a_y b_x)$	
$x = r\cos\theta$ $y = r\sin\theta$ $r = \sqrt{x^2 + y^2}$ $\theta = \tan^{-1}\left(\frac{y}{x}\right)$	$\vec{r} = x\hat{\imath} + y\hat{\jmath} + z\hat{k}$ $\Delta\vec{r} = \vec{r}_f - \vec{r}_i$ $\vec{v}_{avg} = \frac{\Delta\vec{r}}{\Delta t}$ $\vec{a}_{avg} = \frac{\Delta\vec{v}}{\Delta t}$ $\vec{v}_{ins} = \frac{d\vec{r}}{dt}$ $\vec{a}_{ins} = \frac{d\vec{v}}{dt}$	$\vec{r}_f = \vec{r}_i + \vec{v}_i t + \frac{1}{2}\vec{a}t^2$ $\vec{v}_f = \vec{v}_i + \vec{a}t$ $g = 9.81\ m/s^2$
$\vec{F}_g = m\vec{g}$ $\vec{F}_{net} = m\vec{a}$		$ax^2 + bx + c = 0$ $x_{1,2} = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$